

UTSA[®]Engineering

CHEMICAL ENGINEERING

RECOMMENDED PROGRAM OF STUDY
2018-2020 UNDERGRADUATE CATALOG

SEMESTER I (Fall)				SEMESTER II (Spring)			
AIS	1203	Academic Inquiry and Scholarship	3	CHE	1113	General Chemistry II	3
CHE	1103	General Chemistry I	3	CHE	1131	General Chemistry II Lab	1
CHE	1121	General Chemistry I Lab	1	CME	1201	Intro to Chemical Eng	1
EGR	1343	Impact of Modern Tech. (CORE)	3	MAT	1224	Calculus II	4
MAT	1214	Calculus I	4	PHY	1943	Physics for Sci and Eng I	3
WRC	1013	Freshman Composition I	3	PHY	1951	Physics for Sci and Eng I Lab	1
				WRC	1023	Freshman Composition II	3
Total Hours			17	Total Hours			16
SEMESTER III (Fall)				SEMESTER IV (Spring)			
CHE	2603	Organic Chemistry I	3	CHE	3643	Organic Chemistry II	3
CHE	2612	Organic Chemistry I Laboratory	2	CHE	3804	Physical Chemistry I & Lab	4
CME	2103	Chemical Process Principles	3	CME	4001	Chemical Process & Risk Mgt	1
EGR	2323	Applied Eng. Analysis I	3	ECO	2023	Economics	3
PHY	1963	Physics for Sci and Eng II	3	EGR	3323	Applied Eng. Analysis II	3
PHY	1971	Physics for Sci and Eng II Lab	1	STA	2303	Applied Prob & Stat for Engrs	3
Total Hours			17	Total Hours			16
SEMESTER V (Fall)				SEMESTER VI (Spring)			
CME	2203	Computational Methods in ChemE	3	CME	3403	Transport Processes	3
CME	3003	Intro to Materials Science & Engr	3	CME	3503	Kinetics and Reactor Design	3
CME	3103	Thermodynamics I	3	CME	3601	Chemical Engineering Lab I	1
CME	3303	Transport Phenomena	3	CME	3703	Transport Phenomena II	3
S. Elect		Specialization Elective I	3	CORE*		Creative Arts Core	3
				CORE*		U.S. History and Diversity I	3
Total Hours			15	Total Hours			16
SEMESTER VII (Fall)				SEMESTER VIII (Spring)			
CME	4103	Process Dynamics and Control	3	CME	4264	Product and Process Design	4
CME	4163	ChemE Design Fundamentals	3	S. Elect	3713	Engineering Economic Analysis	3
CME	4201	Chemical Engineering Lab II	1	S. Elect		Specialization Elective III	3
S. Elect		Specialization Elective II	3	CORE*		Lang., Philosophy & Culture	3
CORE*		Government-Political Science	3	CORE*		Government-Political Science	3
CORE*		American History Core	3				
Total Hours			16	Total Hours			16
Total CME Degree Hours							128